
Resolution T-14-03

**Amendments to the Fiscal Year 2014-2017
Transportation Improvement Program**

Requested by INDOT and CityBus

**Staff Report
May 15, 2014**

Resolution T-14-03
FY 2014-2017 TIP Amendments

Indiana Department of Transportation & CityBus

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BACKGROUND AND REQUEST:

Several requests are included in this TIP amendment. First, the Indiana Department of Transportation (INDOT) seeks an amendment to program six projects. They are all located on I-65. CityBus requests an amendment to revise its calendar year 2014 capital list of projects and program Section 5339 FTA Funds.

INDOT

INDOT requests an amendment to program four bridge maintenance and repair projects and two bridge deck replacement and widening projects. They are all located on I-65 and are subprojects to the I-65 widening projects. At this time no federal funds are planned to be used. Specific project details include:

<i>Project Des #</i>	<i>Location & Project Type</i>	<i>Year</i>	<i>Federal Funds</i>	<i>Phase</i>	<i>Federal Share</i>	<i>State /Local Share</i>	<i>Total Cost</i>
I-65 1400099	Northbound bridge over NS Railroad Bridge Maintenance and Repair	2015	----	CN	0	100,000	100,000
I-65 1400100	Southbound bridge over NS Railroad Bridge Maintenance and Repair	2015	----	CN	0	50,000	50,000
I-65 1400101	Northbound bridge over SR 38 Bridge Maintenance and Repair	2015	----	CN	0	100,000	100,000
I-65 1400102	Southbound bridge over SR 38 Bridge Maintenance and Repair	2015	----	CN	0	50,000	50,000
I-65 1400103	North bound bridge over SR 25 Bdg. Deck Replacement & Widening	2015	----	CN	0	1,765,000	1,765,000
I-65 1400104	Southbound bridge over SR 25 Bdg. Deck Replacement & Widening	2015	----	CN	0	1,756,000	1,765,000

CityBus

1) CY 2014 Capital Project List

Currently the TIP shows seven projects in the 2014 capital program of projects. CityBus recently reviewed the list and made changes in both individual project items and costs. The total cost has decreased from \$1,712,500 to \$1,542,500. Specific project justification is attached to this report.

Although the total amount decreased, the number of projects increased to twelve. New items include: maintenance equipment, replacement office equipment, replacement fareboxes, electrical lighting upgrades and relocating the clear diesel pump. Individual project details are in the attachment.

Summary of updated project list:

<i>Project</i>	<i>Federal Share</i>	<i>Local Share</i>	<i>Total Cost</i>
Replacement Tires	50,000	12,500	62,500
Engine Rebuilds (5)	50,000	12,500	62,600
Transmission Rebuilds (4)	20,000	5,000	25,000
Bus Rebuild Components	28,000	7,000	35,000
Maintenance Equipment	4,000	1,000	5,000
Support Vehicle	28,000	7,000	35,000
Computer Hardware/Software	20,000	5,000	25,000
Replace Office Equipment & Furnishings	8,000	2,000	10,000
Replacement Fareboxes	260,000	65,000	325,000
Purchase of Two Route Buses	782,000	138,000	920,000
Electrical Lighting Upgrades	15,000	3,750	18,750
Relocation of Clear Diesel Pump	15,000	3,750	18,750
Total	1,280,000	262,500	1,542,500

2) Section 5339 FTA Funds

With passage of Moving Ahead for Progress in the 21st Century, MAP-21, various transit programs were combined, eliminated and created. One new program created is Section 5339. These funds can only be used to replace, rehabilitate and purchase buses and related equipment and to construct bus-related facilities. This program replaces the Section 5309 program.

INDOT manages these funds and has recently invited transit systems throughout the state to submit project proposals. CityBus submitted a request and was awarded \$1,657,420. They intend to use the funds to purchase paratransit vehicles and fixed route buses. The specific breakdown is:

<i>Project</i>	<i>Federal Share</i>	<i>Local Share</i>	<i>Total Cost</i>
Purchase Five Paratransit Vehicles	304,000	76,000	380,000
Purchase Four Fixed Route Buses	1,353,420	338,355	1,691,775
Total	1,657,420	414,355	2,071,775

CITYBUS Board Recommendation:

The CityBus Board of Directors approved the changes at its April 23, 2014 meeting.

Committee Recommendation:

The Technical Transportation Committee reviewed the request at its April 16, 2014 meeting and recommended approval to the Area Plan Commission.

The Administrative Committee reviewed the request at its May 8, 2014 meeting and recommended approval to the Area Plan Commission.

RECOMMENDATION:

Staff recommends approval of this amendment to the Area Plan Commission.

ATTACHMENT

Section 5307 Capital Expenditure, Justification & Summary for CY 2014

- 1) REPLACEMENT TIRES, \$62,500 (*Des # 1172695*)
With over 1.5 million miles of service operated on annual basis and mileage scheduled to increase due to service needs in the community and the Purdue University service area, this request constitutes replacement of tires on approximately 50% of the full size coaches. Six tires are required for each bus. The expected life of the tires is over one (1) year considering the average mileage occurring on each bus annually. Budgeted amount for tires for each unit is \$1,860.
- 2) REBUILD UP TO FIVE BUS ENGINES, \$62,500 (*Des #1172696*)
Due to age, CityBus anticipates the need for up to five (5) engine rebuilds in 2014 at an average cost of \$12,500 each.
- 3) REBUILD UP TO FOUR BUS TRANSMISSIONS, \$25,000 (*Des #1172697*)
Based on 2013 and similar experience in previous years, CityBus anticipates the need for up to four (4) transmission rebuilds. Estimated average cost of each one is \$6,250.
- 4) REBUILD MAJOR BUS COMPONENTS, \$35,000 (*Des #1172698*)
Based on 2013 and similar experience in previous years, CityBus anticipates the need for up to twenty-eight (28) units to be rebuilt in FY 2014 such as turbochargers, alternators, ECM's, fuel pumps, etc. Estimated average cost of each unit rebuild is \$1,250 per unit for a total cost of \$35,000.
- 5) MAINTENANCE EQUIPMENT, \$5,000 (*Des #1400652*)
Some maintenance equipment is in need of replacement, and due to new technology, some new equipment is needed to complete the varied types of repairs encountered by technicians. The proposed budget for this line item is \$5,000.
- 6) SUPPORT VEHICLE, \$35,000 (*Des #1172700*)
Replace the 2001 Dodge truck. This vehicle will exceed the useful life requirements of FTA Circular 5010.D (and 9030.1E) in terms of age for replacement. The proposed budget for this line item is \$35,000.
- 7) COMPUTER HARDWARE AND SOFTWARE, \$25,000 (*Des #1172699*)
A continuous investment must be made in up-to-date computer technology for administrative and maintenance employees. Many computer systems need to be replaced or updated every two to three years in order for employees and systems to operate efficiently and effectively. Estimated cost is \$25,000.
- 8) REPLACE OFFICE EQUIPMENT AND FURNISHINGS, \$10,000 (*Des #1400653*)
Some office furnishings are over 35 years old and in need of replacement. The proposed budget for this line item is \$10,000.
- 9) REPLACEMENT FAREBOXES, \$325,000 (*Des #1400654*)
CityBus needs to replace the fareboxes on their fixed route buses. Technology upgrades will allow CityBus to increase fares in increments of less than \$1.00, accept fare cards in addition to bills and coins, and will recognize counterfeit coins which are found almost daily. This line item will replace approximately half of the fare boxes currently installed in the fixed route fleet. The proposed budget for this line item is \$325,000.
- 10) PURCHASE OF TWO (2) FIXED ROUTE BUSES, \$920,000 (*Des #1172701*)
Because of the age and condition of the current buses in the fleet, CityBus desires to replace six (6) full size diesel transit buses with six (6) replacement buses. The buses being replaced are over 12 years in age, and meet the guidelines for replacement outlined in FTA Circular 5010.1D (and 9030.1E). The buses being replaced are #1005, #1105,

#1106, #1109, #1110, and #1112. They were manufactured by Gillig in 1998. The proposed budget for this line item, and for Section 5339 fixed route bus replacement, is \$2,108,235.

- 11) ELECTRIC LIGHTING UPGRADES – BUS GARAGE PARKING AREA, \$18,750 (*Des #1400655*)
Adequate lighting is needed for the bus garage parking area. The lighting in the affected area of the bus garage is dim or nonexistent. The proposed budget for this line item is \$18,750.
- 12) RELOCATION OF CLEAR DIESEL PUMP, \$18,750 (*Des #1400657*)
CityBus has an outdoor clear diesel pump, which over time has incurred significant exposure to weather conditions and no longer functions as originally intended. The pump would be moved indoors to an appropriate location in the fueling bay. The proposed budget for this line item is \$18,750.

Section 5339 Capital Expenditure, Justification & Summary for CY 2014

- 1) PURCHASE OF FIVE (5) PARATRANSIT VEHICLES, \$380,000 (*Des # 1400659*)
During 2013, due primarily to the local Area IV agency no longer being able to provide transit service in mid-year, monthly paratransit ridership increased an average of 16.7% from the same periods in 2012 for the months of July-December, with two months showing 20% ridership increases from the prior year. The average age of the demand response fleet is 7 years. Except for two 2011 buses, all vehicles are older than seven years, which is the useful life for medium-size, medium-duty transit buses per FTA Circular 5010.1D. Average demand response fleet mileage at December 31, 2013 was 149,063 miles/fleet vehicle. Current fleet vehicles are increasingly expensive to properly maintain.
- 2) PURCHASE OF FOUR (4) FIXED ROUTE BUSES, \$1,691,775 (*Des #1172701*)
Project justification can be found under the Section 5307 project list, project number 10.

Resolution T-14-03

RESOLUTION TO AMEND THE
FY 2014-2017 TRANSPORTATION IMPROVEMENT PROGRAM

WHEREAS, the Area Plan Commission of Tippecanoe County in its capacity as the Metropolitan Planning Organization is responsible for transportation planning in Tippecanoe County, and

WHEREAS, the Area Plan Commission, in its capacity as the Metropolitan Planning Organization, is responsible for developing and maintaining the Transportation Improvement Program, and

WHEREAS, the Indiana Department of Transportation and CityBus have requested changes to the FY 2014-2017 Transportation Improvement Program as follows:

<u>Project</u>	<u>Des Number</u>	<u>Year</u>	<u>Federal Funding</u>	<u>Phase</u>	<u>Federal Share</u>	<u>Local Share</u>	<u>Total Cost</u>
I-65, NB bridge over NS Railroad	1400099	2015	'---	CN	0	100,000	100,000
I-65, SB bridge over NS Railroad	1400100	2015	'---	CN	0	50,000	50,000
I-65, NB bridge over SR 38	1400101	2015	'---	CN	0	100,000	100,000
I-65, SB bridge over SR 38	1400102	2015	'---	CN	0	50,000	50,000
I-65, NB bridge over SR 25	1400103	2015	'---	CN	0	1,765,000	1,756,000
I-65, SB bridge over SR 25	1400104	2015	'---	CN	0	1,756,000	1,756,000
Replacement Tires	1172695	2014	5307	EQ	50,000	12,500	62,500
Rebuild up to Five Engines	1172696	2014	5307	EQ	50,000	12,500	62,500
Rebuild up to Four Transmissions	1172697	2014	5307	EQ	20,000	5,000	25,000
Rebuild Major Bus Components	1172698	2014	5307	EQ	28,000	7,000	35,000
Maintenance Equipment	1400652	2014	5307	EQ	4,000	1,000	5,000
Support Vehicle	1172700	2014	5307	EQ	28,000	7,000	35,000
Computer Hardware & Software	1172699	2014	5307	EQ	20,000	5,000	25,000
Office Equipment & Furnishings	1400653	2014	5307	EQ	8,000	2,000	10,000
Replacement Fareboxes	1400654	2014	5307	EQ	260,000	65,000	325,000
Purchase Two Fixed Route Buses	1172701	2014	5307	EQ	782,000	138,000	920,000
Electric Lighting Upgrades	1400655	2014	5307	EQ	15,000	3,750	18,750
Relocation of Clear Diesel Pump	1400657	2014	5307	EQ	15,000	3,750	18,750
Purchase Five Paratransit Vehicles	1400659	2014	5339	EQ	304,000	76,000	380,000
Purchase Six Fixed Route Buses	1172701	2014	5339	EQ	1,353,420	338,355	1,691,775

WHEREAS, the Greater Lafayette Public Transportation Corporation Board of Directors reviewed and approved the transit projects at its April 23, 2014 meeting, and

WHEREAS, the Technical Transportation Committee reviewed the requests at its April 16, 2014 meeting and recommended their inclusion in the FY 2014-2017 Transportation Improvement Program, and

WHEREAS, the Administrative Committee reviewed the requests at its May 8, 2014 meeting and recommended their inclusion in the FY 2014-2017 Transportation Improvement Program.

NOW THEREFORE BE IT RESOLVED that the Area Plan Commission of Tippecanoe County, in its capacity as the Metropolitan Planning Organization, hereby adopts these amendments to the FY 2014-2017 Transportation Improvement Program for Tippecanoe County.

ADOPTED on Wednesday, the 21st of May, 2014.

Tim Shriner
President, APC

Sallie Dell Fahey
Secretary